

LOCATING ASSEMBLY HAVING AN EXTENDABLE CLAMPING FINGER

ABSTRACT OF THE DISCLOSURE

5 The subject invention provides a locating assembly for centering and securing
a work piece. The locating assembly includes a body. The body defines an internal
cavity and an opening from the cavity to the exterior of the body. A locating pin is
disposed in the cavity and extends along an axis out of the opening. An actuator
moves the locating pin rectilinearly along the axis. A pair of fingers are supported by
10 the locating pin and move radially into and out of the locating pin, transversely to the
axis. A central post rotates in response to the rectilinear movement of the locating
pin. A dowel extends from an end of the central post into a slot in the finger. The
central post moves the dowel in an arcuate path through the slot to radially move the
finger simultaneous with the rectilinear movement of the locating pin.